

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 07-151967

(43)Date of publication of application : 16.06.1995

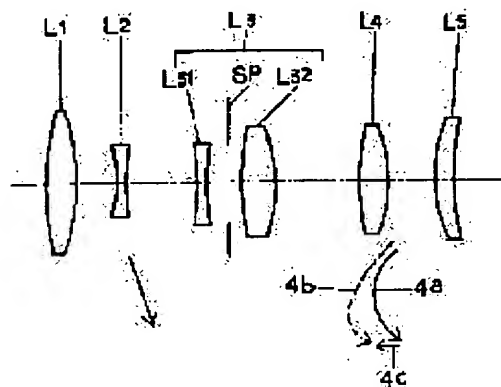
(51)Int. Cl. G02B 15/167
G02B 13/18(21)Application number : 05-254990 (71)Applicant : CANON INC
(22)Date of filing : 17.09.1993 (72)Inventor : TOCHIGI NOBUYUKI

(54) ZOOM LENS OF REAR FOCUSING SYSTEM

(57)Abstract:

PURPOSE: To provide a zoom lens of a rear focusing type of a variable power ratio of 10 and an F-number of about 1.6 by providing the zoom lens with five lens groups as a whole, executing focusing with a lens group backward of a variable power system and providing the whole lens system with a small size.

CONSTITUTION: This zoom lens has, successively from an object side, five lens groups; a first group L1 having a positive refracting power, a second group L2 having a negative refracting power, a third group L3 having a positive refracting power, a fourth group L4 having a positive refracting power and a fifth group L5 having a positive refracting power. Variable power from a wide angle end to a telephoto end is executed by moving the second group L2 to an image plane side. A fluctuation in the image plane according to the variable power is corrected by moving the fourth group L4 and focusing is executed by moving the fourth group. The conditions $0.4 < f_4/f_5 < 1.2$ are satisfied when the focal length of the i-th group is defined as f_i .



LEGAL STATUS

[Date of request for examination] 10.06.1998

[Date of sending the examiner's decision
of rejection][Kind of final disposal of application
other than the examiner's decision of
rejection or application converted
registration]

[Date of final disposal for application]

[Patent number]	3109342
[Date of registration]	14. 09. 2000
[Number of appeal against examiner's decision of rejection]	
[Date of requesting appeal against examiner's decision of rejection]	
[Date of extinction of right]	

Copyright (C); 1998, 2000 Japan Patent Office